

ABSTRACT

The present invention relates to multipotent stem cells, adult stem cells isolated by culturing umbilical cord blood in a medium containing human serum or plasma, and
5 a cellular therapeutic agent for ischemic necrosis resulting from occlusive arterial disease, which contains the multipotent stem cells as active ingredients. The multipotent stem cells according to the invention have ability to differentiate into osteogenic cells or nerve cells, even if they are adult stem cells. Thus, the multipotent stem cells will be useful for the treatment of not only diseases where the
10 stagnation of femoral arterial circulation causes peripheral circulatory disorders to degrade microvascular tissue, leading to ischemic necrosis, but also ischemic diseases, such as cerebral infarction, myocardial infarction and the necrosis of limb ends resulting from diabetic sequelae.